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A NEW SYSTEM

FOR

CUTTING PANTALOONS,

UNEQUALLED FOR SIMPLICITY

AND

CERTAINTY TO FIT ALL FORMS.

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BY S. C. AMES,

INVENTOR AND PUBLISHER.

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BOSTON:  
PUBLISHED BY THE INVENTOR.  
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S. C. AMES,  
In the Clerk's Office of the District Court of the District of Massachusetts.

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## TO THE TRADE.

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GENTLEMEN :—Permit me to introduce to your notice, my Pant and Vest System, together with an explanation of the proper method of Measuring and Drafting the same.

It is a great satisfaction to the Cutter, as it certainly is to the customer, to see his garment fit properly and with unerring exactness, so that the shape and proportions of the human figure shall be exhibited to the best advantage ; but how often does the Cutter fail in turning out such a garment that shall in all respects and points fit the person, and at the same time give an air of fashionable elegance to the wearer.

This, by the author, and many able Cutters now using the Rule, (and who have advised me to present it to the Trade as the best System now in use,) is believed to be attained.

However, I do it with diffidence, there having been so many worthless systems claiming your attention, that true merit is liable to be treated with suspicion and indifference.

In presenting this System for your inspection, I earnestly solicit the strictest investigation and scrutiny, and if found to be fairly demonstrated that I have introduced a real improvement, by economising time, labor and money, I trust that the Trade at large will give me that credit which the liberal and discerning of every age award to the inventors of systems and arts, which are beneficial and useful to the community.

Very respectfully and truly, yours,

S. C. AMES.



## EXPLANATION OF THE RULE.

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In the first place, a cutter should be particular to take correct measures, and to know for what purpose each measure is taken. He should in all cases discard proportions, and rely upon the several measures regardless of antiquated notions of proportions, whether he draft a coat, pants or vest.

Therefore, in cutting by this System, the bottom of the pants is drafted by a division of the measure taken for the size, adding  $\frac{1}{2}$  number (which is  $\frac{1}{2}$  inch) on the scale for seams or making up, this and the knee measure being the only ones you allow for seams. The thigh is also drafted by a division of the the thigh measure. The hips by a division of the hip measure, The waist by a division of the waist measure, all of which are laid down on the square as taken in full size—the tape only being used in drafting to get the lengths.

### DIRECTIONS FOR MEASUREMENT.

First, with a tape I measure from the waistband on the right side, to the knee, say 23 inches, and to the sole of the boot, say 40 inches. I then take the end of the tape with the thumb and fore finger of the left hand, and carry the end of the tape to the fork; then measure for the inside seam, or length of leg, to the sole of the boot, say 30 inches.

These are all the length measures necessary for drafting pants by this rule.

Measures of circumference should be taken firm, but not tight enough to indent or compress the parts.

#### THE MEASURES AS TAKEN.

From waistband to knee,	23	Thigh, close up to fork, dress side,	22
From waistband to sole of boot,	40	Knee measure,	23
From fork to sole of boot,	30	Bottom measure, $16\frac{1}{2}$ cut	17
Waist measure,	31	Thigh, undress side,	$23\frac{1}{2}$
Hip measure,	36		



## DIRECTIONS FOR DRAFTING.

### • DIAGRAM 1.

Mark line A for edge of cloth; square the bottom by line A.

From 0 to 2 is scale 1 bottom,	From 0 to 6 is length of leg.
From 2 to 3 is scale 1 bottom,	From 0 to 7 is full length of forepart.
From 3 to 4 is scale 3 bottom,	From 7 to 8 is length to knee.
From 2 to 5 is scale 3 bottom,	

Sweep line B, C, and D, by point 4.

From 6 to 9 is scale 6 hip, less 3 sizes.	From 6 to 12 is scale 5 thigh dress.
From 9 to 10 is scale 4 hip.	From 6 to 13 is scale 5 " undress.
From 6 to 11 is scale 6 hip.	

Draw line E from point 4, through 10 to 14.

From 14 to 15 is scale 2 waist.	From 14 to 16 is scale 2 waist.
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Straighten line C, and shape the leg to fashion, and you are ready to cut.

Notch in sweeps B and D, and same in back parts; and be particular to have the notches come together in making up.

### BACK PART.—DIAGRAM 2.

Lay forepart on to back part, leaving cloth enough for points 17, hip, knee and 0, and sweep from 16 to 17, by point 2 at bottom, and extend sweep B and D by point 4.

From 14 to 17 is scale 6 waist.	From 10 to 19 is scale 6 hip.
From 9 to 18 is scale 6 hip.	

Sweep by point 18 from 19 for seat.

From 11 to 20 is scale 2 hip.	From 3 to 0 is scale 5 bottom.
From 14 to 21 is scale 3 thigh dress.	From 5 to 22 is scale 5 bottom.

Take the length of the leg from sweep B, and shape like Diagram, or to fashion or fancy.

I usually draw a straight line from 0 to 17, and from point 20 to bottom, laying the straight edge out from point 22,  $\frac{3}{4}$  of an inch, which is the same distance as from 9 to 11; then shape from knee to 22. These lines are merely for a guide in shaping the pants. I also, on the forepart mark lines from 5 to 6 and 3 to 13, laying the straight edge out at bottom  $\frac{3}{4}$  of an inch, as on back part.

### DIAGRAM 3.—UPPER SIDE.

This is a better draft for the present style to cut for corpulent men, as it cuts the under side less full at outside seam on sweep B.

From 0 to 2 is scale 1 bottom.	From 0 to 4 is scale 3 bottom.
From 2 to 3 is scale 3 bottom.	

Measure the lengths B, C, and D, and sweep by point 2; obtain all other points same as Diagram 1; shape the leg as represented, cutting the dress leg straight from fork to knee, and curving the undress.

### DIAGRAM 3.—UNDER SIDE.

Lay on the forepart as represented, leaving cloth enough for point 10 ; sweep from 10 by point 4.

From 5 to 6 is scale 2 hip.

From 7 to 8 is scale 2 hip.

| From 3 to 9 is scale 3 bottom.

Obtain all other points same as Diagram 2, and shape as represented.

### BOYS' PANTS.

#### DIAGRAM 4.

Mark line A for edge of cloth.

From 0 to 2 is scale 1 bottom.

| From 2 to 3 is scale 1 bottom.

Take the lengths as directed in Diagram 1, and sweep B, C and D by point 2.

From 4 to 5 is scale 6 hip.

From 5 to 6 is scale 4 hip.

| From 4 to 7 is scale 5 thigh.

Mark line E from 2 through point 6 to 8.

From 8 to 9 is scale 9 waist.

| From 8 to 10 is scale 3 waist.

Shape and cut to fancy or fashion.

#### UNDER SIDE.

Lay front part on to under side, leaving cloth enough for point 11.

From 8 to 11 is scale 6 waist.

| From 8 to 12 is scale 4 hip.

Mark straight line from 7 to 12.

From 5 to 13 is scale 2 hip. Shape back seam from 12 to 13. Bottoms drafted like Diagram 3, and other points by this, (Dia. 4,) is also an excellent draft for boys' pants. The bottoms of men's pants can also be drafted by Diagram 4, and other points same as Diagram 1 or 3.

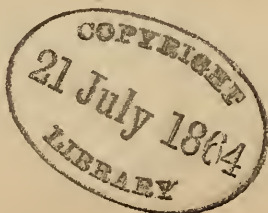
### DIRECTIONS FOR DRAFTING CLOSE FITTING PANTS.

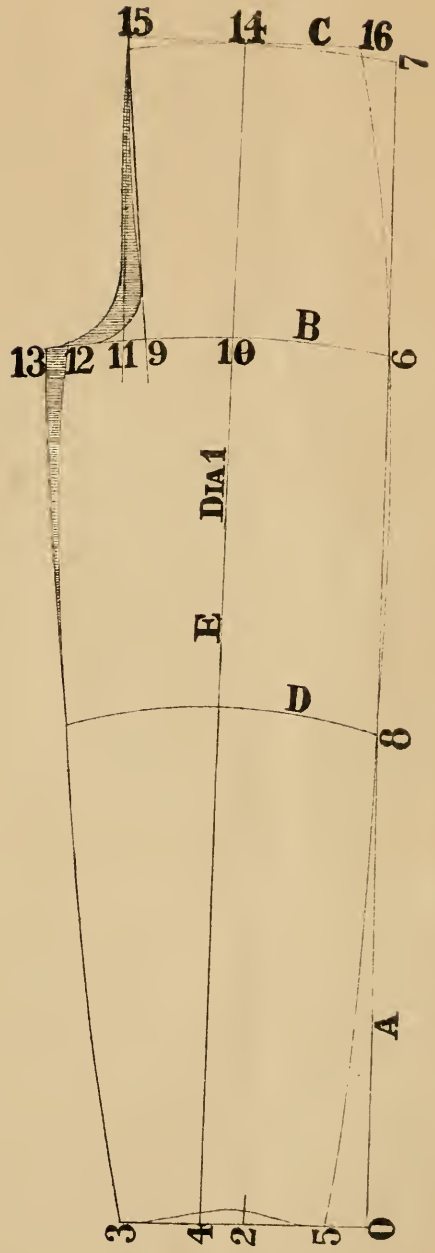
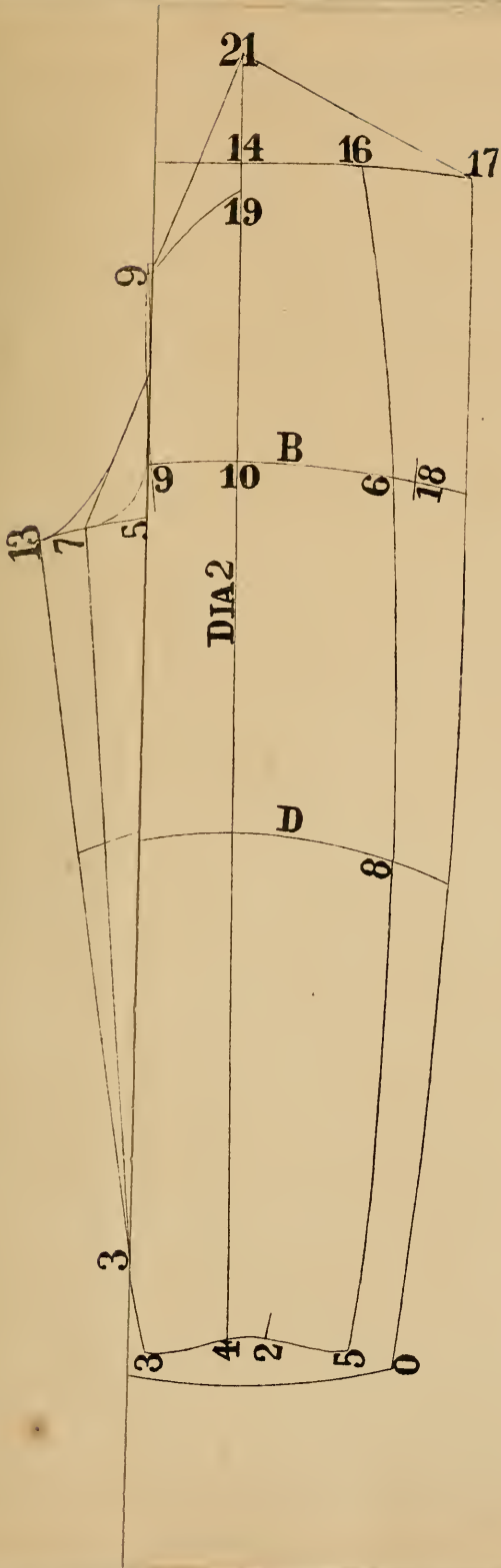
#### DIAGRAM 1.

Straighten edge of cloth from 0 to 7 ; obtain points at bottom and all other points same as laid down ; mark straight line from 5 to 6, and from 3 to 12 ; shape from 5 to 6 and 3 to 13, shaping a little inside of line at knee.

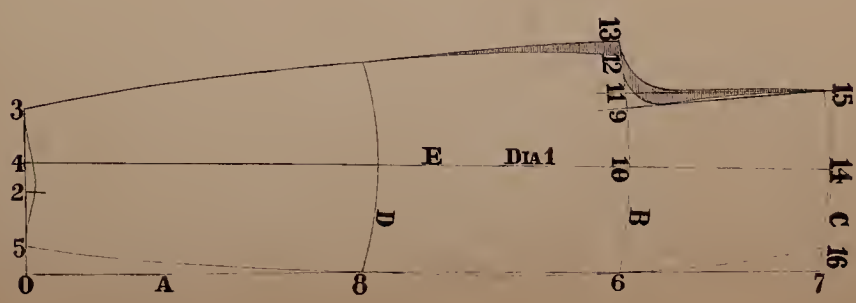
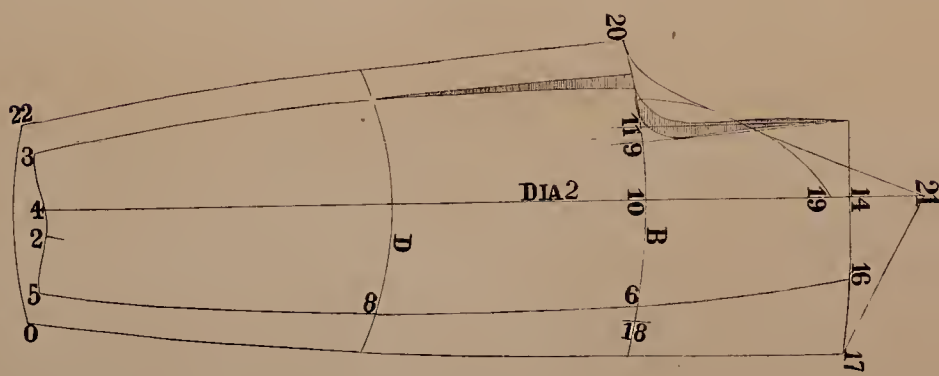
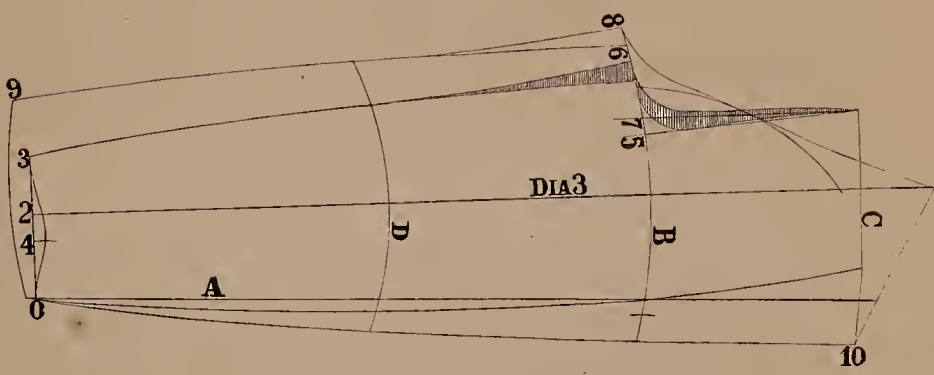
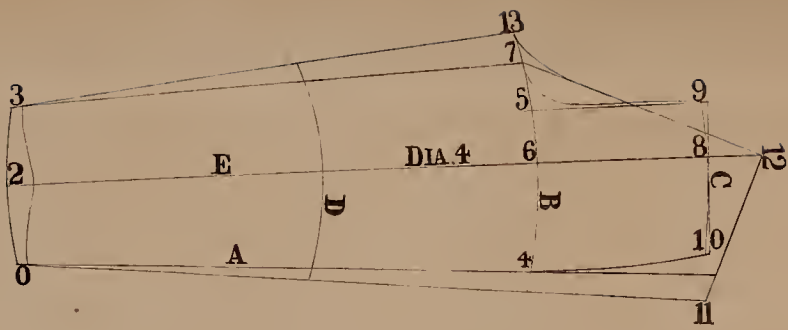
#### BACK PART.—DIAGRAM 2.

From 9 on forepart, to 20 is scale 2 hips, which shortens point 20,  $\frac{3}{4}$  of an inch ; mark straight line from 22 to 13, and shape from 20 ; shape outside seam from 17 to 0, touching point 8, or come in at knee on both seams the size you wish to cut.















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# GEORGE LYON & CO.,

158 Washington Street,

Are sole Agents in the City of Boston, for the sale of AMES' PANT AND VEST SYSTEM. I have authorized them to appoint Agents in any City or Village in the New England States. The price invariably will be, for Pant Rule \$6.00; Vest \$5.00; for Pant and Vest Rule on one Square, \$10.00.

S. C. AMES.



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